



BEST AVAILABLE COPY

# 8 / IPS 3/21/02

PTO/SB/08A (10-01)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO			<b>Complete if Known</b>		
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)			Application Number	09/724,815	
			Filing Date	November 28, 2000	
			First Named Inventor	Alexandre N. Terentiev	
			Art Unit	1723	
			Examiner Name	Tony Soohoo	
Sheet	1	of	1	Attorney Docket Number	642-001

U.S. PATENT DOCUMENTS						C/ASS SUP
Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
TG	1	US-	3,187,235	06-01-1965	T. G. Berlincourt et al.	
TG	2	US-	4,116,017	09-26-1978	Oberpriller	
TG	3	US-	4,300,356	11-17-1981	Notaro et al.	
TG	4	US-	4,363,773	12-14-1982	Mine	
TG	5	US-	4,711,582	12-08-1987	Kennedy	
TG	6	US-	4,770,007	09-13-1988	Murai et al.	
TG	7	US-	5,113,165	05-12-1992	Ackermann	
TG	8	US-	5,298,875	03-29-1994	Laibowitz et al.	
TG	9	US-	5,524,441	06-11-1996	Herrmann et al.	
TG	10	US-	5,861,574	01-19-1999	Kotani et al.	
TG	11	US-	6,107,905	08-22-2000	Itoh et al.	
TG	12	US-	3,187,236	06-01-1965	D.H. Leslie	
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				

RECEIVED  
JAN 18 2002  
16 1100

RECEIVED  
JAN 18 2002  
TOLSON

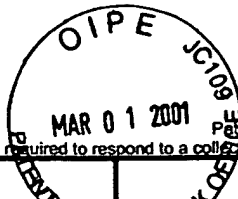
FOREIGN PATENT DOCUMENTS						
Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Country Code <sup>3</sup>	-Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)			
TG	12		DE3927045	07-12-1990	Pietsch, Frank D.	
TG	13		DE4201693	04-08-1993	Pertsch, Thomas	
TG	14		FR2696949	04-22-1994	Llinares, Yvan et al.	
TG	15		DE4413463	10-19-1995	Kaufmann, Klaus	
TG	16		DE19643844	05-07-1998	Bornemann, Hans	

Examiner Signature	T. Soohoo	Date Considered	11-30-02
-----------------------	-----------	--------------------	----------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Please type a plus sign (+) inside this box → +

Approved for use through 10/31/99. OMB 0651-0031  
 Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO				<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(use as many sheets as necessary)</i>				Application Number	09/724,815
				Filing Date	November 28, 2000
				First Named Inventor	Alexandre N. Terentiev
				Group Art Unit	1723
				Examiner Name	Tony Soohoo
Attorney Docket Number	642-001				
Sheet	1	of	6		

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	RECEIVED MAR 05 2001 TC 1700 Pages, Claims, and References Passages, or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
TL	1	2,733,857		J.W. Beams	02-07-1956	
HL	2	2,810,556		I.V. Zozulin	10-22-1957	
BL	3	3,422,765		K.F. Schoch	01-21-1969	
TL	4	3,438,328		N. Laing	04-15-1969	
BL	5	3,598,456		R. Love	08-10-1971	
CS	6	3,608,088		Dorman et al.	09-28-1971	
BL	7	3,647,324		Rafferty et al.	03-07-1972	
BS	8	3,689,033		Holmstrom et al.	09-05-1972	
TL	9	3,771,910		Laing	11-13-1973	
TL	10	3,778,122		Doll et al.	12-11-1973	
TL	11	4,044,567		Dix et al.	08-30-1977	
BS	12	4,080,112		Zimmerman	03-21-1978	
TL	13	4,123,676		Cooper et al.	10-31-1978	
TL	14	4,135,253		Reich et al.	01-23-1979	
TL	15	4,184,090		Taiani et al.	01-15-1980	
TL	16	4,185,617		Hutchins	01-29-1980	
TL	17	4,204,774		de Bruyne	05-27-1980	
TL	18	4,247,792		Klicks et al.	01-27-1981	
BS	19	4,274,022		Elsel	06-16-1981	
TL	20	4,339,680		Flecher et al.	07-13-1982	

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Office <sup>3</sup>	Number <sup>4</sup>				

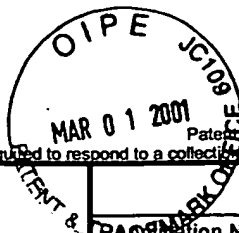
Examiner Signature <u>T. Soohoo</u>	Date Considered <u>11-30-02</u>
-------------------------------------	---------------------------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

**Burden Hour Statement:** This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.**

Please type a plus sign (+) inside this box → +

Approved for use through 10/31/99. OMB 0651-0031  
 Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO				<b>Compleat if Kn wn</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>				Registration Number 09/724,885	
(use as many sheets as necessary)				Filing Date November 28, 2000	
Sheet 3 of 6				First Named Inventor Alexandre N. Terentiev	
				Group Art Unit 1723 2001	
				Examiner Name Tony Soohoo	
				Attorney Docket Number 642-001700	

U.S. PATENT DOCUMENTS						
Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
DBS	41	5,141,327		Shiobara	08-25-1992	
DBS	42	5,152,679		Kanemitsu et al.	10-06-1992	
DBS	43	5,159,219		Chu et al.	10-27-1992	
DBS	44	5,195,877		Kletschka	03-23-1993	
DBS	45	5,197,865		Sevrain et al.	03-30-1993	
DBS	46	5,313,130		Shibayama et al.	05-17-1994	
DBS	47	5,330,967		Takahata et al.	07-19-1994	
DBS	48	5,350,283		Nakazeki et al.	09-27-1994	
DBS	49	5,382,833		Wirges	01-17-1995	
DBS	50	5,402,648		Longsworth	04-04-1995	
DBS	51	5,411,378		Sipin	05-02-1995	
DBS	52	5,438,038		Takahata et al.	08-01-1995	
DBS	53	5,451,524		Coble et al.	09-19-1995	
DBS	54	5,470,152		Rains	11-28-1995	
DBS	55	5,470,208		Kletschka	11-28-1995	
DBS	56	5,478,149		Quigg	12-26-1995	
DBS	57	5,517,071		Moon	05-14-1996	
DBS	58	5,527,159		Bozeman, Jr. et al.	06-18-1996	
DBS	59	5,540,116		Hull et al.	07-30-96	
DBS	60	5,547,280		Wanninger et al.	08-20-1996	

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				

Examiner Signature <i>T. Soohoo</i>	Date Considered <i>11-30-02</i>
--	------------------------------------

<sup>1</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

*(use as many sheets as necessary)*

Sheet 4 of 6

**Complete if Known**

Application Number	09/724,815
Filing Date	November 18, 2000
First Named Inventor	Alexandre N. Terentiev
Group Art Unit	1723
Examiner Name	Tony Soohoo
Attorney Docket Number	642-001

## U.S. PATENT DOCUMENTS

Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
AB	61	5,567,672		Terentiev et al.	10-22-1996	
AB	62	5,575,630		Nakazawa et al.	11-19-1996	
AB	63	5,683,231		Nakazawa et al.	11-04-1997	
AB	64	5,692,882		Bozeman, Jr. et al.	12-02-1997	
AB	65	5,722,303		Hull et al.	03-03-1998	
AB	66	5,747,426		Abboud	05-05-1998	
AB	67	5,763,971		Takahata et al.	06-09-1998	
AB	68	5,779,359		Gambrill et al.	07-14-1998	
AB	69	5,789,837		Shin et al.	08-04-1998	
AB	70	5,831,362		Chu et al.	11-03-1998	
AB	71	5,848,532		Gamble et al.	12-15-1998	
AB	72	5,856,719		De Armas	01-05-1999	
AB	73	5,957,672		Aber	09-28-1999	
AB	74	5,985,535		Urabe	11-16-1999	
AB	75	6,015,272		Antaki et al.	01-18-2000	
AB	76	6,024,542		Phillips et al.	02-15-2000	
AB	77	6,050,782		Lembke	04-18-2000	
AB	78	6,071,093		Hart	06-06-2000	
AB	79	6,074,180		Khanwilkar et al.	06-13-2000	
AB	80	6,118,199		Lembke et al.	09-12-2000	

## FOREIGN PATENT DOCUMENTS

[illegible]

Examiner  
Signature

T. Sohou

Date Considered

11-30-02

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

**Burden Hour Statement:** This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO:** Assistant Commissioner for Patents, Washington, DC 20231.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

*(use as many sheets as necessary)*

**Complete if Kn wn**

Sheet 5 of 6

Application Number	09/724,815
Filing Date	November 28, 2000
First Named Inventor	Alexandre N. Terentiev
Group Art Unit	1723
Examiner Name	Tony Soohoo
Attorney Docket Number	642-001

RECEIVED

MAR 05 2001

## U.S. PATENT DOCUMENTS

[illegible]

**FOREIGN PATENT DOCUMENTS**

[illegible]

**Examiner  
Signature**

T. Souther

Date	
Considered	

11-30-02

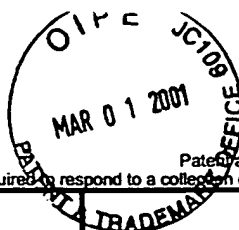
\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

**Burden Hour Statement:** This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.**

Please type a plus sign (+) inside this box → ☐

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.



PTO/SB/088 (10-96)  
Approved for use through 10/31/99. OMB 0651-0031  
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Substitute for form 1449B/PTO				Complete if Known	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)				Application Number	09/724,815
				Filing Date	November 28, 2000
				First Named Inventor	Alexandre N. Terentiev
				Group Art Unit	1722
				Examiner Name	Tony [unclear]
Sheet	6	of	6	Attorney Docket Number	642-001

RECEIVED  
MAR 05 2001

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			TC 1700
Examiner Initials <sup>*</sup>	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	
TS	1	HULL, JOHN, R., "Superconducting Bearings," Superconductor Science and Technology, Vol. 13, Number 2, (pages R1-R15). NO DATE.	
TS	2	TIXADOR, PASCAL; TEMPE ALEXIS; GAUTIER-PICARD, PIERRE; CHAUD, X.; BEAUGNON, ERIC, "Electrical Motor with Bulk Y-Ba-Cu-O Pellets," IEEE Transactions on Applied Superconductivity, Vol. 7, No. 2, June 1997, (pages 896-899).	
TS	3	TIXADOR, P.; HIEBEL, E.; CHAUD, X.; BEAUGNON, E., "Superconducting Coupling Device," Cryogenics 1995, Volume 35, Number 9, (pages 567-572).	
TS	4	O'CONNOR, LEO, "Active Magnetic Bearings Give Systems a Lift," Mechanical Engineering, American Society of Mechanical Engineers (New York), Vol. 114 (No. 7), p. 52, (July 1, 1992).	
TS	5	TERENTIEV, ALEXANDRE, N., "SC Levitator for Room Temperature Environment," Cold Facts, Vol. 14, No. 1, Winter 1998 (p. 19).	
TS	6	TERENTIEV, ALEXANDRE, N., "Cryostat for Superconducting Levitation of a Rotor in a Room-Temperature Environment," Bulletin of the American Physical Society Program of the 1998 March Meeting, Vol. 43, No. 1.	

BEST AVAILABLE COPY

Examiner Signature	T. Souhou	Date Considered	11-30-02
--------------------	-----------	-----------------	----------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation: designation number. <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

# BEST AVAILABLE COP

plus sign (+) inside this box → ☐

PTO/SB/08A (10-96)  
Approved for use through 10/31/99. OMB 0651-0031  
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the work Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet

1

of

2

Complete if Known

Application Number	09/724,815
Filing Date	November 28, 2000
First Named Inventor	Alexandre N. Terentiev
Group Art Unit	1723
Examiner Name	Tony Soohoo
Attorney Docket Number	642-001

302001  
TRADEMARK OFFICE

### U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
TS	1	2,506,886		G.J. Okulitch et al.	05-09-1950	
TS	2	3,888,466		Sedam	06-10-1975	
TS	3	3,981,803		Coulthard	09-21-1976	
TS	4	4,199,265		Sanderson et al.	04-22-1980	
TS	5	4,209,259		Rains et al.	06-24-1980	
TS	6	4,483,623		Eaton et al.	11-20-1984	
TS	7	4,498,785		de Bruyne	02-12-1985	
TS	8	4,557,377		Maloney	12-10-1985	
TS	9	4,568,195		Herz et al.	02-04-1986	
TS	10	4,591,357		Sneider	05-27-1986	
TS	11	4,913,555		Maeda et al.	04-03-1990	
TS	12	4,993,840		Maeda et al.	02-19-1991	
TS	13	4,993,841		Lofgren et al.	02-19-1991	
TS	14	5,040,898		Sweatman et al.	08-20-1991	
TS	15	5,045,074		Satterfield et al.	09-03-1991	
TS	16	5,141,327		Shiobara	08-25-1992	
TS	17	5,240,322		Haber et al.	08-31-1993	
TS	18	5,240,323		Haber et al.	08-31-1993	
TS	19	5,267,791		Christian et al.	12-07-1993	
TS	20	5,368,390		Gambrill et al.	11-29-1994	

### FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				

Examiner Signature

T. Soohoo

Date Considered

11-30-02

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



# BEST AVAILABLE COP

Please type a plus sign (+) inside this box → +

PTO/SB/08A (10-96)  
Approved for use through 10/31/99. OMB 0651-0031  
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

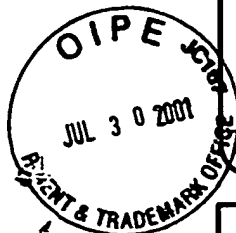
## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 2 of 2

### Complete if Known

Application Number 09/724,815  
Filing Date November 28, 2000  
First Named Inventor Alexandre N. Terentiev  
Group Art Unit 1723  
Examiner Name Tony Soohoo  
Attorney Docket Number 642-001



### U.S. PATENT DOCUMENTS

Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	U.S. Patent Document Number	Kind Code <sup>2</sup> (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
PS	21	5,385,546		Kriesel et al.	01-31-1995	
PS	22	5,385,564		Slater et al.	01-31-1995	
PS	23	5,393,142		Meier	02-28-1995	
PS	24	5,407,272		Meier	04-18-1995	
PS	25	5,533,804		Larsson et al.	07-09-1996	
PS	26	5,586,823		Carr	12-24-1996	
PS	27	5,676,462		Fraczek et al.	10-14-1997	
PS	28	5,758,965		Gambrill et al.	06-02-1998	
PS	29	5,779,359		Gambrill et al.	07-14-1998	
PS	30	5,794,802		Caola	08-18-1998	
PS	31	5,941,867		Kao	08-24-1999	
PS	32	6,065,865		Eyraud et al.	05-23-2000	
PS	33	6,206,562		Eyraud et al.	03-27-2001	

### FOREIGN PATENT DOCUMENTS

Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	Foreign Patent Document Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>

Examiner Signature

T. Soohoo

Date Considered

11-30-02

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Please type a plus sign (+) inside this box → ☐PTO/SB/08A (10-96)  
Approved for use through 10/31/99. OMB 0651-0031  
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 1 of 3

**Complete if Known**

Application Number	09/724,815
Filing Date	November 28, 2000
First Named Inventor	Alexandre N. Terentiev
Group Art Unit	1723
Examiner Name	Tony Soohoo
Attorney Docket Number	642-001

**U.S. PATENT DOCUMENTS**

Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
BS	1	4,264,215		Nunlist et al.	04-28-1981	
BS	2	4,266,950		Makino et al.	05-12-1981	
BS	3	4,355,906		Ono	10-26-1982	
BS	4	4,417,772		Robinson	11-29-1983	
BS	5	4,615,662		Laing	10-07-1986	
BS	6	4,688,998		Olsen et al.	08-25-1987	
BS	7	4,678,409		Kurokawa	07-07-1987	
BS	8	4,779,614		Moise	10-25-1988	
BS	9	4,797,386		Gyorgy et al.	01-10-1989	
BS	10	4,850,821		Sakai	07-25-1989	
BS	11	4,960,521		Keller	10-02-1990	
BS	12	4,984,972		Clausen et al.	01-15-1991	
BS	13	5,112,202		Oshima et al.	05-12-1992	
BS	14	5,126,317		Agarwala	06-30-1992	
BS	15	5,126,611		Armstrong et al.	06-30-1992	
BS	16	5,177,054		Lloyd et al.	01-05-1993	
BS	17	5,183,336		Poltorak et al.	02-02-1993	
BS	18	5,211,546		Isaacson et al.	05-18-1993	
BS	19	5,256,638		Weinberger et al.	10-26-1993	
BS	20	5,240,322		Haber et al.	08-31-1993	

**FOREIGN PATENT DOCUMENTS**

Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				

Examiner Signature

t. Soohoo

Date Considered

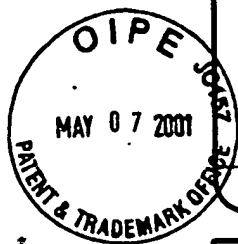
11-30-02

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.



Substitute for form 1449A/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

*(use as many sheets as necessary)*

Sheet 2 of 3

**Complete if Known**

<b>Application Number</b>	09/724,815
<b>Filing Date</b>	November 28, 2000
<b>First Named Inventor</b>	Alexandre N. Terentiev
<b>Group Art Unit</b>	1723
<b>Examiner Name</b>	Tony Soohoo
<b>Attorney Docket Number</b>	642-001

## U.S. PATENT DOCUMENTS

Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
RS	21	5,316,440		Kijima et al.	05-31-1994	
RS	22	5,325,002		Rabinowitz et al.	06-28-1994	
RS	23	5,399,074		Nose et al.	03-21-1995	
RS	24	5,352,036		Haber et al.	10-04-1994	
RS	25	5,405,251		Sipin	04-11-1995	
RS	26	5,525,849		Ito et al.	06-11-1996	
RS	27	5,533,804		Larsson et. al.	07-09-1996	
RS	28	5,581,135		Ito et al.	12-03-1996	
RS	29	5,586,823		Carr	12-24-1996	
RS	30	5,599,175		Tojo et al.	02-04-1997	
RS	31	5,611,679		Ghosh et al.	03-18-1997	
RS	32	5,633,548		Takahata et al.	05-27-1997	
RS	33	5,658,136		Mendler	08-19-1997	
RS	34	5,678,306		Bozeman, Jr. et al.	10-21-1997	
RS	35	5,703,424		Dorman	12-30-1997	
RS	36	5,710,469		Reis	01-20-1998	
RS	37	5,719,455		Higasa et al.	02-17-1998	
RS	38	5,725,357		Nakazeki et al.	03-10-1998	
RS	39	5,757,098		Higuchi et al.	05-26-1998	
RS	40	5,801,469		Takahata et al.	09-01-1998	

## FOREIGN PATENT DOCUMENTS

[illegible]

**Examiner  
Signature**

T. Seehra

Date Considered

11-30-27

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

**Burden Hour Statement:** This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.**

**Burden Hour Statement:** This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231.

**DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO:** Assistant Commissioner for Patents, Washington, DC 20231.